RESULTS OF VOLATILE ORGANIC COMPOUND ANALYSIS FOR BASELINE SAMPLING PERIOD
WEST LAKE LANDFILL, BRIDGETON, MISSOURI
DRAFT TABLE PREPARED JULY 1, 2014

Volatile Organic Compound	Screening Levels[1]		Station 1						Station 2						Station 3				
	Cancer Risk = 1E-06	Non-cancer HQ = 0.1	05/08/14	05/15/14	05/15/14 (dup)	05/23/14	05/30/14	06/06/14	05/08/14	05/15/14	05/23/14	05/30/14	06/06/14	06/06/14 (dup)	05/08/14	05/15/14	05/23/14	05/30/14	05/30/14
Benzene	0.36	3.1	0.31 J	0.31 J	0.44 J	0.28 J	0.5 J	0.73	0.32 J	0.22 J	0.3 J	0.51 J	0.75	0.63	0.35 J	0.32 J	0.35 J	0.64	0.64
Benzyl chloride	0.057	0.1	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Bromomethane	-	0.52	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	0.2 J	ND (0.12)	ND (0.12)	0.16 J	0.16 J
Carbon tetrachloride	0.47	10	0.38 J	0.47 J	0.46 J	0.77 J	0.47 J	0.46 J	0.42 J	0.46 J	0.55 J	ND (0.24)	0.57 J	0.49 J	0.67 J	0.42 J	0.58 J	0.49 J	0.49 J
Chlorobenzene	-	5.2	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Chloroethane	-	1000	0.1 J	ND (0.092)	ND (0.092)	0.13 U J B	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	0.11 U J B	ND (0.092)	ND (0.092)	ND (0.092)	0.91	ND (0.092)	0.15 U J B	ND (0.092)	ND (0.092)
Chloroform	0.12	10	ND (0.19)	ND (0.19)	ND (0.19)	0.39 J	0.24 J	0.32 J	ND (0.19)	ND (0.19)	ND (0.19)	0.23 J	0.41 J	0.42 J	0.83 J	ND (0.19)	0.19 J	ND (0.19)	ND (0.19)
Chloromethane	-	9.4	1.5	1.5 J	1.4 J	2.1	1.5	1.6	1.6	ND (1)	1.3	1.8	1.9	1.7	5	1.2 J	2	2.1	2.1
1,2-Dibromoethane (EDB)	0.0047	0.94	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	-	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
1,2-Dichlorobenzene	-	21	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
1,3-Dichlorobenzene	-	-	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	0.51 J	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)
1,4-Dichlorobenzene	0.26	83	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	0.51 J	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
Dichlorodifluoromethane	-	10	2.2	2.1	2.7	2.4	2.7	1.2	2.5	2.3	2.6	2.7	1.1	1.4	2.7	2.4	2.7	2.6	2.6
1,1-Dichloroethane	1.8	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
1,2-Dichloroethane	0.11	0.73	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
1,1-Dichloroethene	-	21	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)
cis-1,2-Dichloroethene	-	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,2-Dichloropropane	0.28	0.42	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
cis-1,3-Dichloropropene	-	-	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
Ethylbenzene	1.1	100	0.39 J	ND (0.3)	ND (0.3)	ND (0.3)	0.58 J	0.48 J	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	0.33 J	0.35 J	ND (0.3)	ND (0.3)	ND (0.3)	0.58 J	0.58 J
Hexachlorobutadiene	0.13	-	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)
Methylene Chloride	100	63	0.91 J	ND (0.93)	1.9 J	1.1 U J B	1.6 J	1.9	4.5	ND (0.88)	1.2 U J B	1.1 J	1.2 J	1.2 J	1.3 J	ND (1.2)	1.2 U J B	0.75 J	0.75 J
Styrene	-	100	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	0.27 J	0.59 J	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	0.29 J	0.29 J
1,1,2-Trichloro-1,2,2-trifluoroethane	-	3100	1.2 J	0.66 J	0.62 J	0.63 J	0.54 J	0.69 J	0.67 J	0.62 J	0.67 J	0.59 J	0.7 J	0.72 J	0.61 J	0.59 J	0.72 J	0.53 J	0.53 J
1,2,4-Trichlorobenzene	-	0.21	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)
1,1,1-Trichloroethane	-	520	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
1,1,2-Trichloroethane	0.18	0.021	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
1,2,4-Trimethylbenzene	-	0.73	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	0.36 J	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	0.32 J	0.32 J
1,3,5-Trimethylbenzene	-	-	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)
1,1,2,2-Tetrachloroethane	0.048	-	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
Tetrachloroethene	11	4.2	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	0.47 U J	0.44 J	ND (0.27)	ND (0.27)	ND (0.27)	86	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
Toluene	-	520	0.85	0.87	2.3	0.83	4	3.6	0.79	0.78	1.4	2	1.9	2	1.1	0.88	1.7	3.2	3.2
trans-1,3-Dichloropropene	-	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Trichloroethene	0.48	0.21	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	0.33 J	0.6 J	0.59 J	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
Trichlorofluoromethane	-	73	1.3	1.4	1.4	1.3 J B	1.5	2	1.3	1.4	1.3 B	1.4	1.6	1.7	1.3	1.5	1.4 B	1.4	1.4
Vinyl chloride	0.17	10	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)
m-Xylene & p-Xylene	-	10	1.3	ND (0.52)	0.72 J	ND (0.52)	1.7	1.5	0.53 J	ND (0.52)	ND (0.52)	ND (0.52)	0.98	1.1	ND (0.52)	ND (0.52)	0.54 J	1.7	1.7
o-Xylene	-	10	0.35 J	ND (0.26)	ND (0.26)	ND (0.26)	0.63 J	0.53 J	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	0.34 J	0.39 J	ND (0.26)	ND (0.26)	ND (0.26)	0.62 J	0.62 J

Notes:
Shading indicates the concentration exceeds a screening level. ND: Not detected (reporting limit) B: Analyte detected in laboratory blank J: Estimated result. Result is less than the reporting limit.
[1] Screening levels are from the Regional Screening Level (RSL) Residential Air Supporting Table May 2014. The noncarcinogenic screening level listed in this table is based on a noncancer hazard index of 0.1.

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Volatile Organic Compound	Screening Levels[1]		Station 4							Station 5				
	Cancer Risk = 1E-06	Non-cancer HQ = 0.1	05/08/14	05/08/14 (dup)	05/15/14	05/23/14	05/23/14 (dup)	05/30/14	06/06/14	05/08/14	05/15/14	05/23/14	05/30/14	06/06/14
Benzene	0.36	3.1	0.29 J	0.28 J	0.28 J	0.28 J	0.26 J	0.55 J	0.72	0.31 J	0.31 J	0.28 J	0.58 J	0.61 J
Benzyl chloride	0.057	0.1	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Bromomethane	-	0.52	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)
Carbon tetrachloride	0.47	10	0.31 J	0.38 J	0.46 J	0.41 J	0.41 J	0.46 J	0.48 J	0.44 J	0.41 J	0.44 J	0.46 J	0.33 J
Chlorobenzene	-	5.2	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Chloroethane	-	1000	0.13 J	ND (0.092)	ND (0.092)	ND (0.092)	0.18 U J B	ND (0.092)	0.14 J	0.14 J	ND (0.092)	0.096 U J B	ND (0.092)	ND (0.092)
Chloroform	0.12	10	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	0.31 J	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	0.26 J
Chloromethane	-	9.4	1.7	1.4	1.3 J	1.2	1.4	1.5	1.7	1.8	1.2 J	1.2	1.4	1.3
1,2-Dibromoethane (EDB)	0.0047	0.94	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	-	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
1,2-Dichlorobenzene	-	21	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
1,3-Dichlorobenzene	-	-	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)
1,4-Dichlorobenzene	0.26	83	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	0.51 J	ND (0.38)	0.39 J	ND (0.38)
Dichlorodifluoromethane	-	10	1.8	2.1	1.8	2.2	2.3	2.6	1.1	2.1	1.8	2.3	2.7	0.98
1,1-Dichloroethane	1.8	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
1,2-Dichloroethane	0.11	0.73	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)
1,1-Dichloroethene	-	21	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)
cis-1,2-Dichloroethene	-	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,2-Dichloropropane	0.28	0.42	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
cis-1,3-Dichloropropene	-	-	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
Ethylbenzene	1.1	100	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	0.4 J	0.41 J	ND (0.3)	ND (0.3)	ND (0.3)	0.77 J	0.33 J
Hexachlorobutadiene	0.13	-	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	ND (0.83)	1.1 J	ND (0.83)	ND (0.83)	ND (0.83)
Methylene Chloride	100	63	0.95 J	0.77 J	ND (1)	1.2 U J B	1.1 U J B	0.74 J	1.2 J	1.9	2 J	1.1 U J B	0.91 J	1.2 J
Styrene	-	100	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	0.41 J	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	0.27 J	ND (0.25)
1,1,2-Trichloro-1,2,2-trifluoroethane	-	3100	0.65 J	0.58 J	0.62 J	0.58 J	0.58 J	0.58 J	0.69 J	0.64 J	0.59 J	0.58 J	0.57 J	0.54 J
1,2,4-Trichlorobenzene	-	0.21	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	0.96 J	ND (0.73)	ND (0.73)	ND (0.73)
1,1,1-Trichloroethane	-	520	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
1,1,2-Trichloroethane	0.18	0.021	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
1,2,4-Trimethylbenzene	-	0.73	ND (0.31)	0.5 J	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	0.35 J	ND (0.31)	ND (0.31)	ND (0.31)	0.47 J	ND (0.31)
1,3,5-Trimethylbenzene	-	-	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)
1,1,2,2-Tetrachloroethane	0.048	-	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
Tetrachloroethene	11	4.2	ND (0.27)	ND (0.27)	ND (0.27)	0.54 J	ND (0.27)	ND (0.27)	0.36 J	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
Toluene	-	520	0.8	1.1	0.61 J	0.95	0.8	2.9	2.9	1.3	1.4	1	5.4	2.7
trans-1,3-Dichloropropene	-	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Trichloroethene	0.48	0.21	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	0.22 J	ND (0.19)
Trichlorofluoromethane	-	73	1.4	1.1	1.7	1.2 J B	1.2 J B	1.4	1.8	1.5	1.5	1.2 J B	1.6	1.3
Vinyl chloride	0.17	10	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)
m-Xylene & p-Xylene	-	10	ND (0.52)	1	ND (0.52)	ND (0.52)	ND (0.52)	1.2	1.2	0.77 J	ND (0.52)	ND (0.52)	2.3	0.98
o-Xylene	-	10	ND (0.26)	0.49 J	ND (0.26)	ND (0.26)	ND (0.26)	0.43 J	0.44 J	ND (0.26)	ND (0.26)	ND (0.26)	0.78 J	0.36 J

Notes:
Shading indicates the concentration exceeds a screening level.
[1] Screening levels are from the Regional Screening Level (RSL) Residential